Wixom 79 177 882

PUBLIC NOTICE

Michigan Water Resources Commission
Stevens T. Mason Building
Lansing, Michigan 48926
517-373-8088

Date July 4, 1975
Permit Number:
MI 0028151

NOTICE: Ford Motor Company, Wixom Assembly Plant presently has a valid National Pollutant Discharge Elimination System (Public Law 92-500) Permit, issued December 31, 1974, to discharge process and cooling water from its facility located at 50000 Grand River Expressway, Wixom, Michigan.

The applicant is engaged in the manufacture of automobiles. The company discharges its effluent to Norton Creek.

It is hereby noticed that the following modifications or revisions of said permit are proposed: The batch monitoring requirements have been revised to reflect treatment procedures. Final limitations for heavy metals and for BOD have been revised to be more restrictive.

On the basis of preliminary staff review and application of applicable standards and regulations, the Michigan Water Resources Commission proposes to issue a revised permit for the discharge subject to certain effluent limitations and special conditions. The permit expiration date is December 31, 1979.

The proposed determination to revise an NPDES Permit is tentative. Persons wishing to comment upon, or object to, the proposed permit modifications are invited to submit the same in writing to:

Mr. Roy E. Schrameck
Chief, Permit Section
Michigan Water Resources Commission
Stevens T. Mason Building
Lansing, Michigan 48926

The name of the permittee and permit number should appear next to the above address on the envelope and the first page of any submitted comments. All comments received within thirty (30) days of the date of issuance of this public notice will be considered in the formulation of the final determinations. If no written objections are recieved, the Michigan Water Resources Commission will issue its final determinations no later than sixty (60) days following the date of this notice.

The application, issued permit and proposed revisions, and other information, are on file and may be inspected at the Water Resources Commission, 8th Floor, Stevens T. Mason Building, Lansing, Michigan and at the District Office located at R #2, 37205 Mouille Road, Rockwood, Michigan at any time between 9:30 a.m. and 3:30 p.m., Monday through Friday. Copies of the Public Notice and the corresponding Fact Sheet summarizing application information and proposed permit conditions are available at no charge at the Michigan Water Resources Commission. Copies of all other information are available at a cost of $.20 per page at the Michigan Water Resources Commission.

Please bring the foregoing to the attention of persons whom you know would be interested in this matter.

Date: July 15, 1983

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PUBLIC NOTICE

Michigan Water Resources Commission
Stevens T. Mason Building
Lansing, Michigan 48909
517/373-8086

Permit Number:
MI 0028151

NOTICE: Ford Motor Company, Wixom has applied for reissuance of its National Pollutant Discharge Elimination System (NPDES) Permit to discharge treated process wastewater, noncontact cooling water, fire tower overflow, groundwater infiltration & stormwater runoff into the waters of the State of Michigan. The permit will be issued by the Michigan Water Resources Commission in conformance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; the "Act"), and the Michigan Water Resources Commission Act, as amended, (Act 245, Public Acts of 1929, as amended, the "Michigan Act").

The applicant manufactures passenger vehicles. The applicant discharges its effluent to Congdon Drain and Norton Drain.

On the basis of preliminary staff review and application of applicable standards and regulations, the Michigan Water Resources Commission proposes to issue a permit for the discharge subject to certain effluent limitations and special conditions. The permit expiration date will not exceed five (5) years from the date of issuance.

The proposed determination to issue an NPDES Permit is tentative. Persons wishing to comment upon, or object to, the proposed determination are invited to submit the same in writing to:

Permits Section
Surface Water Quality Division
Department of Natural Resources
P.O. Box 30028
Lansing, Michigan 48909

The name of the permittee and permit application number should appear next to the above address on the envelope and the first page of any submitted comments. All comments received within thirty (30) days of the date of issuance of this Public Notice will be considered in the formulation of the final determinations. If no written objections are received, the Michigan Water Resources Commission will issue its final determinations no later than sixty (60) days following the date of this notice.

The application, proposed permit including proposed effluent limitations and special conditions, comments received, and other information, are on file and may be inspected at the Water Quality Division Offices, 8th Floor, Stevens T. Mason Building, Lansing, Michigan and at the District Office located at Detroit District Office, 9311 Groh Road, Grosse Ile, Michigan 48138, Phone 313/675-0860, at any time between 9:30 a.m. and 3:30 p.m., Monday through Friday. Copies of the Public Notice and corresponding Fact Sheet summarizing application information and proposed permit conditions and other information are available at a cost of 5¢ per page.

Please bring the foregoing to the attention of persons whom you know would be interested in this matter.

Michigan Department of Natural Resources
Surface Water Quality Division
Briefing Memo/Fact Sheet

Permit No. MI 0028151

APPLICANT

Ford Motor Company
One Parklane Boulevard
628 West
Dearborn, Michigan 48126

FACILITY

5000 Grand River Expressway
Wixom, Michigan
Oakland County

PROPOSED ACTION:

Staff will recommend reissuance of a NPDES permit to discharge a maximum of 1,817,000 gallons per day of treated process waste; 169,000 gallons per day of noncontact cooling water and fire tower overflow; unspecified quantities of groundwater infiltration and stormwater runoff to Norton Drain and Congdon Drain.

SIGNIFICANT DATES:

September 26, 1975:	Current permit issued
September 22, 1977:	Current permit modified
September 26, 1977:	Final Order of Abatement No. 1929 adopted
July 16, 1979:	Request for permit modification dated
July 30, 1979:	Application for permit renewal received
December 31, 1979:	Current permit expired
May 8, 1980:	Application update received
August 21, 1980:	WRC approved staff's recommendation that the combined phosphorus loadings from Village of Milford WWTP, City of Wixom WWTP and Ford Motor Company, Wixom are not to exceed 2,700 pounds of phosphorus/year.
May 22, 1981:	Draft permit public noticed
May 27, 1983:	Draft permit re-public noticed

EXISTING FACILITIES:

The Ford Wixom Assembly Plant produces an average of 720 automobiles per day from basic components manufactured at other facilities. Attendant operations include metal cleaning, ferrous metal phosphating, prime-coat electrocoating and spray painting, finish-coat spray painting, wet sanding, vehicle leak testing and washing, and those associatd with power and utilities.

The Company discharges from four outfalls. Discharge from outfall 001 consists of a maximum of 1,817,000 gallons/day of treated process wastewater. Discharge from outfall 001a occurs when the 14 acre oxidation pond is being used to contain and treat a spill into the drainage ditch which receives flow from 002, 003, and 004. Discharge from outfall 002 consists of a maximum of 169,000 gallons/day of noncontact cooling water, fire tower overflow and stormwater runoff. The discharge from outfall 003 consists of stormwater runoff only. The discharge from outfall 004 consists of stormwater runoff and groundwater infiltration.

Combined physical and biological treatments are used for process wastes containing alkaline cleaners, oil and grease, metal ions, solvents, detergents, soluble organics and other materials contributing to BOD. Water is collected in one of two batch treatment tanks for pH control and coagulation. Ferric chloride is added along with sulfuric acid or caustic soda as necessary. After mixing, the water is discharged to three interconnected settling lagoons operating in parallel. The purpose of this treatment is to remove suspended solids, metals, and oil. Sludge generated in this process is removed to a holding pond for dewatering and is eventually hauled to Michigan Disposal (Belleville, Michigan) by Wolverine Disposal Company of Ypsilanti.

Effluent from the lagoons goes to two parallel equalization basins which feed the eight rotating biological discs. After final settling and gravity filtration, the treated waste may be discharged at 001a or through 001 via oxidation pond.

Discharge from outfalls 002, 003, and 004 may be diverted to the oxidation pond if a spill into either of these sewer systems occurs.

RECEIVING STREAM:

Name/Major Basin and Designated Uses: Norton Drain is classified for Recreation-partial body contact; Fish, Wildlife, and Aquatic life - intolerant fish, warm-water species; Agriculture; Commercial; Water Supply - industrial; and other uses.

7-day 10 year drought flow: 0 cfs.

Mixing Zone:

Outfalls 001, 001a, 002, 003 & 004:

All of Norton Drain, starting from its confluence with Congdon Drain and extending 1,000 feet downstream.

MAP/SKETCH OF DISCHARGE LOCATION (See Attached Map)

EXISTING/PROPOSED EFFLUENT QUALITY: (From MORs for August 1979 through January 1980)

Parameters	Minimum	Maximum	Median	Average
Outfall 001				
Flow, MGD[1]	0.307	1.817	0.812	0.820
BOD, mg/l[2,3]	1	22	7	7.1
BOD, lbs/day[1]	6	146	44.5	50
TSS, mg/l	1	18	6	6.8
TSS, lbs/day[1]	7	163	36.5	45
P, mg/l	0.10	0.94	0.21	0.28
P, lbs/day	0.44	9.3	1.45	2.0
pH	7.2	9.0	8.05	8.16
Dissolved Oxygen, mg/l	2.85	11.0	6.1	6.45
Oil & Grease, mg/l	1	4	2	1.9
Cr, mg/l	0.0002	0.043	0.002	0.004
Pb, mg/l	0.010	0.070	0.015	0.030
Zn, mg/l	0.028	0.590	0.060	0.089
Cu, mg/l	0.001	0.035	0.005	0.010
Cn, mg/l	less than detectable (0.02 mg/l) in all samples			

[1]Excludes October 26-31, 1979 during which flow was reduced.

[2]Excludes suspected non-representative value (38 mg/l) of January 31, 1980

[3]Observed 90th percentile value = 12 mg/l.

Outfall 002				
Flow, MGD	0.001	0.955	0.05	0.16
BOD, mg/l	1	72	3	6.8
TSS, mg/l	1	122	4	10.9
P, mg/l	0.0	0.67	0.06	0.10
pH	7.4	8.3	7.9	7.9
Dissolved Oxygen, mg/l	4.4	11.2	7.9	8.0
Cr, mg/l	0.001	0.012	0.002	0.003
Pb, mg/l	0.010	0.800	0.030	0.106
Zn, mg/l	0.0004	0.420	0.114	0.166
Cu, mg/l	0.005	0.058	0.013	0.017

Outfall 003

The discharge from this outfall consists of stormwater runoff only.

Outfall 004

The discharge from this outfall consists of stormwater runoff and groundwater infiltration only.

The applicant has addressed the analysing and reporting requirements for toxic pollutants and hazardous substances in their discharge(s) in accordance with applicable regulations.

HISTORY AND PERMIT DEVELOPMENT BACKGROUND:

The draft permit for reissuance was public noticed on May 22, 1981. The Company objected to the reissuance of this draft permit because of legal and technical concerns. Staff have met with the Company several times to discuss the concerns expressed during the public comment period and have resolved all issues except for phosphorus allocation, which was of major concern to the Cities of Milford and Wixom. On May 3, 1983, staff met with representatives of Ford Motor Company, Wixom Assembly Plant, City of Milford WWTP, and the City of Wixom WWTP. The purpose of this meeting was to discuss the 5 alternatives developed for allocating the 2,700 lbs/year between the three discharges. The following issues were raised during this meeting:

1. The communities of Wixom and Milford expressed concerns regarding the status of the Huron Valley project. It was felt that issuance of the Wixom and Milford permits should wait until a decision has been reached by the MDNR whether or not to continue with the project. The communities and their consultants believe the completion of the Huron Valley project is the only real solution of the phosphorus loading issue. They are concerned that issuance of the permits would serve to focus attention away from the real need to complete the Huron Valley system.

2. The 2,700 lbs/year limitation was felt by all of the dischargers to be an inaccurate representation of the phosphorus situation as it actually exists in Kent Lake and the Huron River system above Kent Lake. It was felt that even if achieved, the reduction to 2,700 lbs/year of point source contribution would not impact significantly upon the in-lake concentration of phosphorus. Ford stated its belief that the 2,700 lbs/year allocation was adopted as a water quality standard without following required notices and administrative procedures.

3. Hubbell, Roth and Clark estimates that approximately $4,000,000 per facility would be needed to upgrade the Wixom WWTP and the Milford WWTP to gain the necessary phosphorus controls. Neither community believed they could afford this type of expenditure. Even if the expenditure could be made it was questionable whether the necessary 0.2 mg/l concentration could be met consistently by the facilities.

4. The communities of Wixom and Milford took the position that no matter how 2,700 lbs/year of phosphorus was divided among the three dischargers, neither community would ever be able to meet the limitation.

Ford Motor Company-Wixom facility could meet a yearly phosphorus discharge allocation of 900 lbs/year and they want the permit to be issued as soon as possible. The only qualification to this option was that the limitation must not be implemented in 12 equal monthly allocations. The limitation should provide flexibility for monthly variations in phosphorus discharge with an upper limit set at 900 lbs. discharged for the entire year. Staff have reviewed this request and determined that seasonal or monthly limitations for phosphorus are not necessary. An annual limitation will protect water quality and is consistent with the Commission's adoption of a 2,700 lbs/year limit for all point source discharges.

Because no agreement could be reached between the dischargers, staff recommend that the 2,700 lbs/year be divided equally between the three dischargers. The following attempts to quantify the impacts of this decision:

AT PRESENT FLOW

FACILITY	Proposed lbs/year	Existing lbs/year	Proposed lbs/day	Proposed Daily Conc. (mg/l)
Wixom	900	1767	2.47	.49
Milford	900	1618	2.47	.35
Ford-Wixom	900	402*	2.47	.49

AT DESIGN/FUTURE FLOWS

Wixom	900	2.47	.2
Milford	900	2.47	.2
Ford-Wixom	900	2.47	.2

*represents one year of data from a one (1) shift operation. (As of 5/2/83, plant went to a two (2) shift operation.)

CURRENT PERMIT: (See Attached Sheet)

DRAFT PERMIT: (See Attached Sheet)

ADDITIONAL REQUIREMENTS NOT IN CURRENT PERMIT: None

PROPOSED DETERMINATIONS

The Surface Water Quality Division has examined this facility's application. The effluent limitations contained in the proposed permit are based upon application of guidance materials or engineering judgment reflecting "best practicable control technology currently available", "best available technology economically achievable" or "best conventional pollutant control technology", and the State Water Resources Commission Act, as amended, and the Water Quality Standards promulgated thereunder, whichever is more restrictive. The Michigan Water Resources Commission proposes to issue the applicant a permit to discharge, subject to effluent limitations and certain other conditions within the permit.

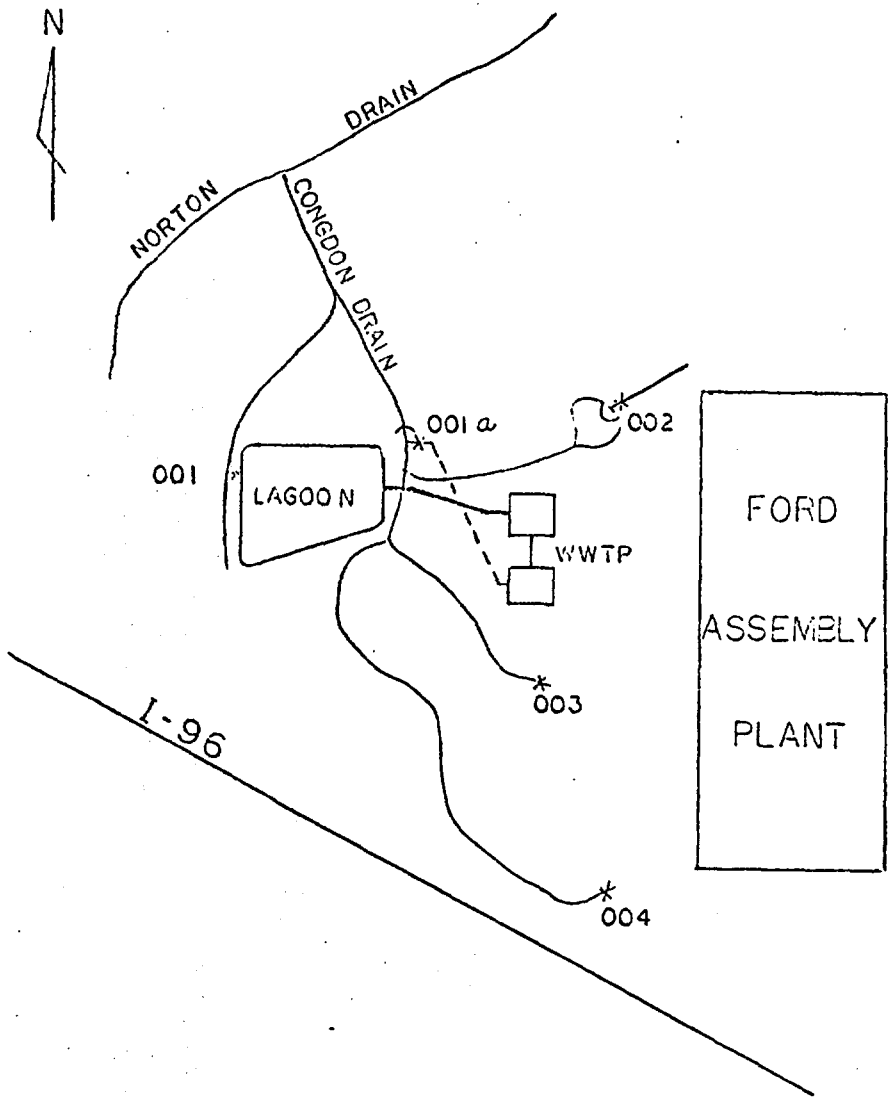
REGISTER OF INTERESTED PERSONS

Any person interested in a particular application or group of applications, may leave his name, address, and phone number as part of the file for an application. The list of names will be maintained as a means for persons with an interest in an application to contact others with similar interests.

PUBLIC HEARING

If submitted comments indicate a significant public interest in the application or if useful information may be produced thereby, the Michigan Water Resources Commission at its discretion, may hold a public hearing on the application. Any person may request the Michigan Water Resources Commission to hold a public hearing on the application. The request should include specific reasons for the request, indicating which portions of the application or draft permit constitutes the need for a hearing.

Public notice of a hearing will be circulated at least thirty (30) days in advance of hearings. The hearing will normally be held in the vicinity of the discharge. Thereafter, the Michigan Water Resources Commission will formulate its final determinations within sixty (60) days. Further information regarding the conduct and nature of public hearings concerning discharge permits may be obtained by writing or visiting the address shown on the Public Notice.



PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. Final Effluent Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge from outfall(s) 001. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Daily Average	kg/day (lbs/day) Daily Maximum	Other Limitations Daily Average	Other Limitations Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Weekly	
Total Suspended Solids	102 (225)	153 (337)	30 mg/l	45 mg/l	Weekly	24 hr composite
Oil and Grease				10 mg/l	Weekly	Grab
BOD_5						
May 1 through Oct. 31		34* (75)*		10 mg/l*	Daily	24 hr composite
Nov. 1 through April 30		102 (226)		30 mg/l	Weekly	24 hr composite
Total Phosphorus (as P)	4 (8)	7 (15)	1 mg/l	2 mg/l	Weekly	24 hr composite
Total Chromium				0.12 mg/l	Weekly	24 hr composite
Total Copper				0.04 mg/l	Monthly	24 hr composite
Cyanide, Oxidizable				0.025 mg/l	Monthly	24 hr composite
Total Lead				0.10 mg/l	Monthly	24 hr composite
Total Zinc				0.24 mg/l	Weekly	24 hr composite
Dissolved Oxygen					Monthly	Grab
Polychlorinated Biphenyls (PCB)					Quarterly	24 hr composite

a. The pH shall not be less than 6.5 nor greater than 9.5. The pH shall be monitored as follows: weekly; grab.

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken at outfall 001 prior to discharge and prior to mixing with storm water.

* The daily maximum value for BOD of 34 Kg/l day (75 lb/day) and 10 mg/l, for the period from May 1 through October 31, may be exceeded 18 days of that period each year. However, no value may exceed 51 Kg/day (113 lb/day) or 15 mg/l. Nor may the daily maximum of 34 Kg/day (75 lb/day) and 10 mg/l be exceeded for more than 5 days in any calendar month, or more than 2 consecutive days.

2. Final Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge non-contact cooling water from outfall(s) 002, 003, 00[illegible]. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Daily Average	kg/day (lbs/day) Daily Maximum	Other Limitations Daily Average	Other Limitations Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Weekly	
Total Suspended Solids					Weekly	Grab
Oil and Grease			No Visible Film		Daily	Visual Observa
Total Phosphorus (as P)					Weekly	Grab
Total Zinc					Monthly	Grab
Total Lead					Monthly	Grab
Total Chromium					Monthly	Grab
Total Copper					Monthly	Grab
BOD_5					Weekly	Grab
Polychlorinated Biphenyls (PCB)					Quarterly	Grab
Dissolved Oxygen			5.0 mg/l (Daily minimum)		Weekly	Grab

The term noncontact cooling water shall mean water used for cooling which does not come into direct contact with any raw material, intermediate product, by product, waste product, or finished product.

a. The pH shall not be less than 6.5 nor greater than 9.5. The pH shall be monitored as follows: weekly; grab.

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts suffici to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken at outfalls 002, 003 and 004 prior to discharge and before mixing with stormwater runoff.

e. In the event the permittee shall require the use of Water Treatment additive the permittee shall notify the Michigan Water Resources Commission in accordance with the requirements of Part II, Section A-1.

7. Batch Discharge Limitation and Monitoring Requirements

During the period beginning upon the issuance of this permit and lasting until the expiration of the permit, discharges from the batch treatment facilities shall be limited and monitored as specified below:

a. The pH of batch discharges to the settling facility shall not be less than 6.0.

b. Batch discharges from the treatment tank to the settling facility shall be monitored as follows:

PARAMETER	FREQUENCY	TYPE
Flow	each batch discharge	grab
pH	each batch discharge	grab

c. Discharges from the continuous chromium reduction facilities shall be monitored as specified below:

PARAMETER	FREQUENCY	TYPE
pH	Once per shift	grab
Hexavalent Chromium	Once per shift	grab
Number of Shifts	Daily*	determination

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. Final Effluent Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge one million eight hundred seventy thousand (1,870,000) gallons per day* of treated process wastewater from outfall 001 and or 001a to Congdon Drain. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Monthly Average	Daily Maximum	Other Limitations Monthly Average	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Daily	
BOD_5						
From 5/1-10/31		89(197)		13 mg/l**	Daily	24-Hr. Composite
From 11/1-3/31		124(273)		18 mg/l	Weekly	24-Hr. Composite
From 4/1-4/30		213(470)		31 mg/l	Weekly	24-Hr. Composite
Total Suspended Solids	206(455)	309(682)	30 mg/l	45 mg/l	Weekly	24-Hr. Composite
Annual Total Phosphorus(as P)***					Weekly	24-Hr. Composite
Oil and Grease				10 mg/l	Weekly	Grab
Total Lead	0.82(1.82)	8.0(17.6)	0.12 mg/l	1.16 mg/l	Monthly	24-Hr. Composite
Total Zinc	1.37(3.03)	25.7(56.7)	0.20 mg/l	3.74 mg/l	Weekly	24-Hr. Composite
Dissolved Oxygen			5 mg/l(daily min.)		Weekly	Grab

*The following flow was used in determining the above limitations, but is not to be considered a limitation: maximum flow: 1.817 MGD

**The discharge may contain from 13 mg/l to 18 mg/l BOD_5 as a daily maximum for a maximum of three (3) nonconsecutive days per month.

***The discharge of total phosphorus (as P) shall not exceed the combined accumulative amount of 900 lbs/yr from outfall 001, 001a, and 002. The permittee shall indicate the total pounds of phosphorus discharged during the calendar year on the Monthly Operating Reports (Part II, Section B-2).

a. The pH shall not be less than 6.0 nor greater than 9.0. The pH shall be monitored as follows: Weekly; grab sample.

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken at outfall 001 and/or 001a prior to discharge to drain. The mass limitations shall apply to the sum of the discharges from each outfall.

2. Final Effluent Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge an average of one hundred sixty nine thousand (169,000) gallons per day* of noncontact cooling water and fire tower overflow and an unspecified quantity of stormwater runoff from outfall 002 to Congdon Drain. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Monthly Average	Daily Maximum	Other Limitations Monthly Average	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Weekly	
Total Suspended Solids					Weekly	Grab
Outfall Observation**					Daily	Visual
Annual Total Phosphorus (as P)***					Weekly	Grab
BOD_5					Weekly	Grab
Dissolved Oxygen			5.0 mg/l(daily min.)		Weekly	Grab
Total Chromium					Monthly	Grab
Total Copper					Monthly	Grab
Total Lead					Monthly	Grab
Total Zinc					Monthly	Grab
PCB					Quarterly	Grab

*This flow is not be be considered a limitation.

**Daily visual outfall observation shall be made at the outside perimeter of the emergency containment boom. Any unusual characteristics of the discharge which would not be expected from noncontact cooling water or stormwater runoff (i.e., unusual turbidity, discoloration, oil film, suspended solids, etc.) shall be reported immediately to the District Office of the Surface Water Quality Division followed with a written report within 5 days detailing the findings of the investigation and the steps taken to correct the condition.

***The discharge of total phosphorus (as P) shall not exceed the combined accumulative amount of 900 lbs/yr from outfalls 001, 001a, and 002. The permittee shall indicate the total pounds of phosphorus discharged during the calendar year on the Monthly Operating Reports (Part II, Section B-2).

The term noncontact cooling water shall mean water used for cooling which does not come into contact with any raw material, intermediate product, by-product, waste product, or finished product.

Part I, A-2(continued)

a. The pH shall not be less than 6.0 nor greater than 9.0. The pH shall be monitored as follows: Weekly; grab sample.

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken at outfall 002 prior to discharge to drain.

e. In the event the permittee shall require the use of water treatment additives in addition to those listed at the usage rate(s) specified in the application for this permit, the permittee shall notify and obtain approval from the Chief of the Surface Water Quality Division in accordance with the requirements of Part II, Section A-1.

PERMIT

3. Final Effluent Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge an unspecified quantity of stormwater runoff from outfall 003 to Congdon Drain. Such discharge shall be monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Monthly Average	Daily Maximum	Other Limitations Monthly Average	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Daily	
Outfall Observation*					Daily	Visual Observation

*Daily visual outfall observation shall be made at the outside perimeter of the emergency containment boom.

Any unusual characteristics of the discharge which would not be expected from stormwater runoff (i.e., excessive turbidity, discoloration, oil film, etc.) shall be reported immediately to the District Office of the Surface Water Quality Division followed with a written report within 5 days detailing the findings of the investigation and the steps taken to correct the condition.

a. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

b. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

c. Samples taken in compliance with the monitoring requirements above shall be taken at outfall 003.

PERMIT

4. Final Effluent Limitations

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, the permittee is authorized to discharge an unspecified quantity of stormwater runoff and groundwater infiltration from outfall 004 to Congdon Drain. Such discharge shall be monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Monthly Average	Daily Maximum	Other Limitations Monthly Average	Daily Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow, M^3/Day (MGD)					Daily	
Outfall Observation*					Daily	Visual Observation

*Daily visual outfall observation shall be made at the outside perimeter of the emergency containment boom.

Any unusual characteristics of the discharge which would not be expected from groundwater infiltration or stormwater runoff (i.e., excessive turbidity, discoloration, oil film, etc.) shall be reported immediately to the District Office of the Surface Water Quality Division followed with a written report within 5 days detailing the findings of the investigation and the steps taken to correct the condition.

a. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

b. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

c. Samples taken in compliance with the monitoring requirements above shall be taken at outfall 004.

5. Final Effluent Limitations

In the event of an accidental spill to either outfall 002, 003, or 004, the permittee is authorized to convey contaminated waters from outfall 002, 003, or 004 to the oxidation lagoon for containment and treatment and discharge to Congdon Drain through outfall 001. Total combined mass limits at outfalls 001 and 001a shall not exceed the limitations specified in Part I, A-1 of this permit.

6. Batch Discharge Limitation and Monitoring Requirements

During the period beginning on the effective date of this permit and lasting until the expiration of this permit, discharges from the batch treatment facilities shall be limited and monitored as specified below:

a. The pH of batch discharges to the settling facility shall not be less than 8.0.

b. Batch discharges from the treatment tank to the settling facility should be monitored as follows:

PARAMETER	FREQUENCY	TYPE
Flow (MGD)	Each batch discharge	
pH	Each batch discharge	Grab

7. Special Condition

This permit may be modified, or, alternatively revoked and reissued to comply with any applicable standard(s) or limitation(s) promulgated under Sections 301 (b)(2)(C)(D), 304 (b)(2) and 307 (a)(2), if the effluent standard(s) or limitation(s) so promulgated:

(a) is (are) either different in conditions or more stringent than any effluent limitation in the permit; or

(b) control(s) any pollutant not limited in the permit.